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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/874,525	06/04/2001	John Suk-Hyun Hong	M5869US2P	6859
27906	7590 11/10/2004		EXAMINER	
PATENT LAW OFFICES OF DAVID MILLERS 6560 ASHFIELD COURT SAN JOSE, CA 95120			MAI, TAN V	
			ART UNIT	PAPER NUMBER
•			2124	
			DATE MAILED: 11/10/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
Office Action Summary	09/874,525	HONG, JOHN SUK-HYUN			
omeericaen cammary	Examiner	Art Unit			
The MAILING DATE of this communication and	Tan V Mai	2124			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	i6(a). In no event, however, may a reply be tim within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from to cause the application to become ABANDONED	ely filed will be considered timely. he mailing date of this communication. b (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 12 Ju	lv 2004.				
3) Since this application is in condition for allowan	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposition of Claims					
4) ☐ Claim(s) 2-6,8,9,11 and 12 is/are pending in the 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) 2,3,11 and 12 is/are allowed. 6) ☐ Claim(s) 4-6,8 and 9 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers					
9) The specification is objected to by the Examiner	·.				
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11)☐ The oath or declaration is objected to by the Example 11.	aminer. Note the attached Office	Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list of 	s have been received. s have been received in Application ity documents have been receive (PCT Rule 17.2(a)).	on No d in this National Stage			
Attachment(s)					
1) Notice of References Cited (PTO-892) • 4) Interview Summary (PTO-413)					
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:				

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1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

- 2. Applicant's arguments with respect to claims 4-6 and 8-9 have been considered but are most in view of the new ground(s) of rejection.
- 3. Claims 4-6 and 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pearson et al in view of Vassiliadis et al.

Pearson et al have been discussed in the previous office action (Paper No. 3, Paragraph 8). The amended claim 4 adds "two's complement units" feature; however, the feature is old and well known in the art. For example, Vassiliadis et al disclose a multiplication with a sign magnitude multiplier, e.g., see col. 1, paragraphs 2 & 4-5, especially col. 1, lines 32—37. It would have been obvious to a person having ordinary skill in the art at the time the invention was made to combine Vassiliadis et al's sign magnitude in Pearson et al, thereby making the claimed invention, because the proposed device is a multiply unit using "sign magnitude" feature capable of providing the result(s) in either first or second mode as claimed.

4. Claims 4-6 and 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yano et al in view of Vassiliadis et al.

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Yano et al have been discussed in the previous office action (Paper No. 3, Paragraph 9). The amended claim 4 adds "two's complement units" feature; however, the feature is old and well known in the art. For example, Vassiliadis et al disclose a multiplication with a sign magnitude multiplier, e.g., see col. 1, paragraphs 2 & 4-5, especially col. 1, lines 32—37. It would have been obvious to a person having ordinary skill in the art at the time the invention was made to combine Vassiliadis et al's sign magnitude in Yano et al, thereby making the claimed invention, because the proposed device is a multiply unit using "sign magnitude" feature capable of providing the result(s) in either first or second mode as claimed.

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan V. Mai whose telephone number is (571) 272-3726. The examiner can normally be reached on Tue-Fri from 6:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki, can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is:

Official

(703) 306-5404.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.